SEQUENCE LISTING

<110> Abarzua, Patricio

<120> Process for Allele Discrimination Using Primer Extension

<130> 469290-55

<140>
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<150> U.S. 60/194843
<151> 2000-04-05

<160> 35

<170> PatentIn Ver. 2.1

<210> 1
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for use in allele discrimination

<400> 1
ctcagtgtga ttccaccttc tcc 23

<210> 2
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for use in allele discrimination

<400> 2
ctcagtgtga ttccaccttc acc 23

<210> 3
<211> 23
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 3
ctcagtgtga ttccaccttc tca 23

<210> 4
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 4
ctcagtgtga ttccaccttc aca 23

<210> 5
<211> 96
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Target
polynucleotide for allele discrimination

<400> 5
gacgagtcag aatcagagaa agacaatata gttcttggag aaggtggaat cacactgagc 60
cctatagtga gtcgtattaa actaaagctg agacat 96

<210> 6
<211> 96
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Target
polynucleotide for allele discrimination

<400> 6
gacgagtcag aatcagagaa agacaatata gttctttgag aaggtggaat cacactgagc 60

cctatagtga gtcgtattaa actaaagctg agacat 96

<210> 7
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Target
polynucleotide for allele discrimination

<400> 7
taataggaca tctccaagtt tgcagagaaa gacaatatag ttcttggaga aggtggaatc 60
acactgagtg gaggtcaacg 80

<210> 8
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Target
polynucleotide for allele discrimination

<400> 8
taataggaca tctccaagtt tgcagagaaa gacaatagag ttctttgaga aggtggaatc 60
acactgagtg gaggtcaacg 80

<210> 9
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Target
polynucleotide for allele discrimination

<400> 9
caactggttc ttgtacctgt caacactgcg ctggttccaa atgagaatag aaatgatttt 60
tgtcatct 68

<210> 10
<211> 68
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Target
polynucleotide for allele discrimination

<400> 10
caactggttc ttgtacctgt caacactgcg ctggttccaa aagagaatag aaatgatttt 60
tgtcatct 68

<210> 11
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 11
ttttttttttt tttttacctc cactcagtgt gattccacct tctcc 45

<210> 12
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 12
ttttttttttt ttttttttttt tttttagtgt gattccacct tctcc 45

<210> 13
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 13
ttttttttttt ttttttttttt ttttttttttt gattccacct tctcc 45

<210> 14
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 14
ttttttttttt ttttttttttt ttttttttttt tttttcacct tctcc 45

<210> 15
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 15
ttttttttttt tttttacctc cactcagtgt gattccacct tctca 45

<210> 16
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 16
ttttttttttt ttttttttttt ttttttagtgt gattccacct tctca 45

<210> 17
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for

use in allele discrimination

<400> 17
ttttttttttt ttttttttttt ttttttttttt gattccacct tctca 45

<210> 18
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 18
ttttttttttt ttttttttttt ttttttttttt tttttcacct tctca 45

<210> 19
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 19
ttttttttttt ttttttagaa gatgacaaaa atcatttcta ttctca 46

<210> 20
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 20
ttttttttttt ttttttttttt ttttttaaaa atcatttcta ttctca 46

<210> 21
<211> 46
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 21
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<210> 22
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 22
ttttttttttt ttttttttttt ttttttttttt tttttttcta ttctca 46

<210> 23
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 23
ttttttttttt ttttttagaa gatgacaaaa atcatttcta ttctct 46

<210> 24
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 24
ttttttttttt ttttttttttt ttttttaaaa atcatttcta ttctct 46

<210> 25
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 25
ttttttttttt ttttttttttt ttttttttttt ttcatttcta ttctct 46

<210> 26
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: P1 primer for
use in allele discrimination

<400> 26
ttttttttttt ttttttttttt ttttttttttt tttttttcta ttctct 46

<210> 27
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer for use
in rolling circle amplification

<400> 27
ggacatctcc aagtttgcag agaaagacaa tatagttctt ttttatgatc acagctgagg 60
ataggacatg cga 73

<210> 28
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer for use

in rolling circle amplification

<400> 28
aactggttct tgtacctgtc aacactgcgc tggttccaaa tttttcttgt acatgtctca 60
gtagctcgtc agt 73

<210> 29
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Amplification target circle sequence for use in rolling circle amplification

<400> 29
cgcatgtcct atcctcagct gtgatcatca gaactcacct gttagacgcc accagctcca 60
actgtgaaga tcgcttat 78

<210> 30
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Amplification target circle sequence for use in rolling circle amplification

<400> 30
actgacgagc tactgagaca tgtacaatcg gacctgtgag gtactaccct aatcggacct 60
gtgaggtact accctaactt 80

<210> 31
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Nucleotide sequence for use as fluorescence decorator.

<400> 31
tcagaactca cctgttag 18

<210> 32
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Nucleotide
sequence for use as fluorescence decorator.

<400> 32
actgtgaaga tcgcttat 18

<210> 33
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Nucleotide
sequence for use as fluorescence decorator.

<400> 33
tcggacctgt gaggtactac cctaa 25

<210> 34
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer for use
in rolling circle amplification

<400> 34
gttcttgata taacagaaag ttttttttat gatcacagct gaggatagga catgcga 57

<210> 35
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer for use

in rolling circle amplification

<400> 35
tttcttgata taacagaaag ttttttttct tgtacatgtc tcagtagctc gtcagt 56